



# COUNTY OF LOS ANGELES

## DEPARTMENT OF PUBLIC WORKS

*"To Enrich Lives Through Effective and Caring Service"*

900 SOUTH FREMONT AVENUE  
ALHAMBRA, CALIFORNIA 91803-1331  
Telephone: (626) 458-5100  
[www.ladpw.org](http://www.ladpw.org)

ADDRESS ALL CORRESPONDENCE TO:  
P.O. BOX 1460  
ALHAMBRA, CALIFORNIA 91802-1460

IN REPLY PLEASE

REFER TO FILE: **W-0**

January 27, 2005

The Honorable Board of Supervisors  
County of Los Angeles  
383 Kenneth Hahn Hall of Administration  
500 West Temple Street  
Los Angeles, CA 90012

Dear Supervisors:

**PUBLIC HEARING FOR PROPOSED INCREASES IN EXISTING WATER SUPPLY  
CHARGES AND FOR ESTABLISHMENT OF A NEW WATER SUPPLY RELIABILITY  
CHARGE FOR LOS ANGELES COUNTY WATERWORKS DISTRICT NO. 40,  
ANTELOPE VALLEY  
SUPERVISORIAL DISTRICT 5  
3 VOTES**

**IT IS RECOMMENDED, AFTER THE PUBLIC HEARING, THAT YOUR BOARD AS  
THE GOVERNING BODY OF THE LOS ANGELES COUNTY WATERWORKS  
DISTRICT NO. 40, ANTELOPE VALLEY:**

1. Find that the purpose of the increases in existing Water Supply Charges and adoption of a new Water Supply Reliability Charge by the District are for the purpose of funding capital projects necessary to maintain water service within the District's existing service areas and statutorily exempt under the California Environmental Quality Act (CEQA) pursuant to Section 21080(b)(8) of the Public Resources Code and Section 15273(a)(4) of the CEQA Guidelines.
2. Adopt the enclosed resolution (Attachment A) approving the proposed increases in existing water supply charges and adopting a new Water Supply Reliability Charge, set forth in the resolution, that are charged as a condition of new connections to the water system within the Los Angeles County Waterworks District No. 40, Antelope Valley (District).

3. Adopted the amendments to the Rules and Regulations of the District (Attachment B) to reflect the above-referenced increases in the existing Water Supply Charges and adoption of the new Water Supply Reliability Charge.
4. Direct the Acting Director of Public Works to review the above charges on January 1 of every year and make a recommendation to your Board to adjust these charges accordingly.

#### **PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION**

The District collects Water Supply Charges (as defined in the District's Rules and Regulations) as a condition of providing new water service for the purpose of constructing necessary water system improvements within the District's existing service areas. The existing Water Supply Charges have not been increased since 1986.

The purpose of the recommendations is to increase the existing Water Supply Charges and adopt a new Water Supply Reliability Charge to enable the District to fund the necessary capital improvement projects and to firm up the District's water supplies. Based on a cost study prepared by Public Works, the current Water Supply Charges are not adequate to offset the costs of the necessary infrastructure to provide new water services. The increased charges will provide the capital needed to finance the costs of additional water facilities. The District is proposing that your Board adopt the enclosed resolution, Attachment A, to amend the Rules and Regulations of the District to increase the District's existing Water Supply Charges and impose a new Water Supply Reliability Charge as set forth in Attachment B.

The District proposes to increase the existing charges by 74 percent based on the combined increases in the Construction Cost Index in the Los Angeles Region and the cost of labor to the District from 1986 to present.

The existing and the increased Water Supply Charges are as follows:

<b>Water Supply Charges</b>	<b>Range of Existing Charges</b>	<b>Range of Increased Charges</b>
Local System Improvement Charge (per foot of benefited frontage)	\$14.61 - \$73.65	\$25.42 - \$128.15
Capital Improvement (Acreage) Charge (per acre of benefited area)	\$1,267 - \$1,897	\$2,205 - \$3,301
Capital Improvement (Tank Capacity Unit) Charge (per tank capacity unit)	\$480	\$835
Meter Application Processing Charge (per meter)	\$339 - \$687	\$590 - \$1,195

In addition, the District is proposing a new Water Supply Reliability Charge for the purpose of firming up the District's water supplies. This new charge will consist of three components and was based on a study conducted by Public Work's staff as follows: 1) Water Banking Fee for storing water from the California State Water Project, or any other source, for use during dry years (\$1,500 per billing unit); 2) Groundwater Supply Fee for drilling groundwater wells (\$3,000 per billing unit); and 3) Recycled Water Fee for the use of tertiary treated effluent from the County Sanitation Districts of Los Angeles County's water reclamation plants (\$1,400 per billing unit).

On November 22 and 23, 2004, Public Works' staff held community meetings in the Antelope Valley, to discuss, among other things, the proposed increases to the existing Water Supply Charges and the new Water Supply Reliability Charge. A total of 56 people signed the meeting attendance rosters. Public Works also informed the Building Industry Association in the Antelope Valley of the increase in Water Supply Charges and the new Water Supply Reliability Charge. We have received no written opposition to the proposed increase in existing Water Supply Charges and the adoption of the new Water Supply Reliability Charge.

#### **Implementation of Strategic Plan Goals**

This action is consistent with the County Strategic Plan Goals of Fiscal Responsibility and Service Excellence. The additional funding will provide sufficient funds for the construction of needed capital improvement projects and provide water supply reliability for the District's customers.

### **FISCAL IMPACT/FINANCING**

There will be no impact to the County's General Fund.

The increase in existing Water Supply Charges and the new Water Supply Reliability Charge will generate additional revenues for the District's General Fund N63 and the Accumulative Capital Outlay Fund N64.

### **FACTS AND PROVISIONS/LEGAL REQUIREMENTS**

Your Board is authorized to increase the existing Water Supply Charges and to adopt a new Water Supply Reliability Charge pursuant to Section 55501 of the County Waterworks District Law, Water Code Sections 55000, et. seq. Adoption of the enclosed resolution will revise the District's Rules and Regulations, which your Board adopted pursuant to Section 55333 of the County Waterworks District Law, to accomplish the increase in the existing Water Supply Charges and to adopt the new Water Supply Reliability Charge.

Under Government Code Section 66013, the existing Water Supply Charges and the new Water Supply Reliability Charge are referred to as either "capacity charges" or fees for "water connection" (collectively referred to herein-below as Capacity Charges).

Under Government Code Sections 66013 and 66016, without voter approval, the Capacity Charges being proposed to be increased and/or adopted cannot exceed the estimated reasonable cost of providing the service for which they are imposed. Therefore, in compliance with Government Code Section 66013, the District established the amount of the increase in the existing and new Capacity Charges so as to not exceed the estimated reasonable cost of providing the service for which the fees are imposed.

Consistent with the requirements of Section 66016 of the Government Code, the increased and new Capacity Charges may only be ordered after a public hearing. Government Code Sections 66016 and 6062a also require that notice of the hearing be mailed to all interested parties who file a written request for such and that the notice be published two times in a newspaper of general circulation within a 10-day period with at least five intervening days. County Counsel has reviewed the proposed resolution and Notice of Hearing and approved them as to form.

Also consistent with the requirements of Government Code Section 66016, the District is making available to the public 10 days prior to the public hearing the data indicating the amount of estimated costs required to provide the services for which the Capacity Charges are levied and the revenue sources anticipated to provide the services, including general fund revenues, if any. No monies from the County's General Fund are currently anticipated to be used to provide said services.

#### **ENVIRONMENTAL DOCUMENTATION**

These actions and the proposed resolution amending the District's Rules and Regulations are for the purpose of funding water system capital projects necessary to maintain service within existing service areas and are therefore exempt from CEQA pursuant to Section 21080(b)(8) of the Public Resources Code and Section 15273(a)(4) of the CEQA Guidelines. When the exact location and impacts are determined for the water system capital projects contemplated by these fees, additional environmental documentation will be prepared, as appropriate, for each said individual project.

#### **IMPACT ON CURRENT SERVICES (OR PROJECTS)**

There will be no impact on current County services or projects as a result of this action.

#### **CONCLUSION**

Upon approval, please return one adopted copy of this letter and the enclosed Resolution to Public Works, Waterworks and Sewer Maintenance Division.

Respectfully submitted,

DONALD L. WOLFE  
Acting Director of Public Works

GE:ag  
BDL2182

Enc.

cc: Chief Administrative Office  
County Counsel

## **ATTACHMENT A**

### **A RESOLUTION OF THE BOARD OF SUPERVISORS OF THE COUNTY OF LOS ANGELES, CALIFORNIA, APPROVING PROPOSED INCREASES IN EXISTING WATER SUPPLY CHARGES AND FOR ESTABLISHMENT OF A NEW WATER SUPPLY RELIABILITY CHARGE FOR LOS ANGELES COUNTY WATERWORKS DISTRICT NO. 40, ANTELOPE VALLEY**

WHEREAS, the District collects Water Supply Charges (as defined in the District's Rules and Regulations) as a condition of providing new water service; and

WHEREAS, the District uses these Water Supply Charges to fund its costs to install water system capital improvement projects to serve the water needs of its customers within the District's existing service areas; and

WHEREAS, the District's water supplies are limited, and new sources of water must be developed for the District to be able to provide reliable water service to meet the projected water demands for its customers within the District's existing service areas; and

WHEREAS, the District's existing Water Supply Charges have not been increased since 1986; and

WHEREAS, the County's Department of Public Works (Public Works) has conducted an analysis on behalf of the District that shows that the existing Water Supply Charges imposed under the District's Rules and Regulations must be raised to help offset the District's estimated costs of processing the installation of new water service connections and of completing new capital improvement projects; and

WHEREAS, the District is proposing to amend the District's Rules and Regulations to increase existing Water Supply Charges and establish a new Water Supply Reliability Charge as set forth herein; and

WHEREAS, the District's Capital Improvement (Frontage) Charge under the Rules and Regulations therefore is proposed to be increased from the current range of \$14.61-\$73.65 per foot of benefited frontage to a new range of \$25.42-\$128.15 per foot of benefited frontage; and

WHEREAS, the District's Capital Improvement (Acreage) Charge under the District's Rules and Regulations therefore is proposed to be increased from the current range of \$1,267-\$1,897 per acre of benefited area to a new range of \$2,205-\$3,301 per acre of benefited area; and

WHEREAS, the District's Service Connection and Water Meter Installation and Processing Charge under the District's Rules and Regulations therefore is proposed to be increased from the current range of \$339-\$687 per meter to a new range of \$590-\$1,195 per metered water service connection; and

WHEREAS, the District's Capital Improvement (Tank Capacity Unit) Charge therefore is proposed to be increased from approximately \$1,200 to \$2,087 per typical single family residence, which is the equivalent of an increase of \$480-\$835 per "tank capacity unit" as reflected in the District's Rules and Regulations; and

WHEREAS, The District proposes to amend the Rules and Regulations of the District to also adopt a new Water Supply Reliability Charge for the purpose of firming up the District's water supplies; and

WHEREAS, This new Water Supply Reliability Charge will consist of three components based on a study conducted by Public Work's staff, as follows: 1) Water Banking Fee for storing water from the California State Water Project or any other source for use during dry years (\$1,500 per billing unit); 2) Groundwater Supply Fee for developing groundwater wells (\$3,000 per billing unit); and 3) Recycled Water Fee for the use of tertiary treated effluent from the County Sanitation Districts of Los Angeles County's water reclamation plants (\$1,400 per billing unit); and

WHEREAS, the District proposes for the Acting Director of Public Works to review the District's Water Supply Charges and the new Water Supply Reliability Charge on January 1 of every year and make a recommendation to the Board of Supervisors to adjust these charges accordingly, on an as-needed basis.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Supervisors of the County of Los Angeles, as the governing body of the Los Angeles County Waterworks District No. 40, Antelope Valley, does hereby approve and adopt the amendments to the District's Rules and Regulations of the Los Angeles County Waterworks Districts (Attachment B), including to institute the following actions:

- 1) increase the District's Capital Improvement (Frontage) Charge as set forth in Attachment B; and
- 2) increase the District's Capital Improvement (Acreage) Charge as set forth in Attachment B; and
- 3) increase the District's Service Connection and Water Meter Installation and Processing Charge as set forth in Attachment B; and

- 4) increase the District's Capital Improvement (Tank Capacity Unit) Charge as set forth in Attachment B; and
- 5) institute a new "Water Banking Fee" for the District in the amount of \$1,500 per billing unit as set forth in Attachment B; and
- 6) institute a new "Groundwater Supply Fee" for the District of \$3,000 per billing unit as set forth in Attachment B; and
- 7) institute a new "Recycled Water Fee" for the District in the amount of \$1,400 per billing unit as set forth in Attachment B.

The foregoing Resolution was on the \_\_\_\_ day of \_\_\_\_\_, 2005, adopted by the Board of Supervisors of the County of Los Angeles as the governing body of the Los Angeles County Waterworks District No. 40, Antelope Valley.

VIOLET VARONA-LUKENS  
Executive Officer of the  
Board of Supervisors of  
the County of Los Angeles

By \_\_\_\_\_  
Deputy

APPROVED AS TO FORM:

RAYMOND G. FORTNER, JR.  
County Counsel

By \_\_\_\_\_  
Deputy



INSTRUCTION SHEET FOR PUBLISHING  
LEGAL ADVERTISEMENTS

TO: Executive Officer  
Board of Supervisors  
County of Los Angeles

FROM: Department of Public Works  
Waterworks and Sewer Maintenance Division

**NOTICE OF HEARING  
PROPOSED INCREASE IN EXISTING WATER SUPPLY CHARGES AND  
ESTABLISHMENT OF A NEW WATER SUPPLY RELIABILITY CHARGE FOR  
LOS ANGELES COUNTY WATERWORKS DISTRICT NO. 40, ANTELOPE VALLEY**

**Publishing**

That the Executive Officer of the Board of Supervisors shall cause notice of the public hearing, in the form and manner specified in Section 66016 of the Government Code, to be published once a week for two consecutive weeks in the Antelope Valley Press, a newspaper published and circulated in the County of Los Angeles, which is hereby designated for that purpose, such publication to be completed not less than 10 days prior to the date of said hearing. Notice of the time and place of the meeting, including a general explanation of the matter to be considered, shall be mailed at least 14 days prior to the meeting to any interested party who files a written request with the local agency for mailed notice of the meeting. A cost analysis for the proposed increase in existing fees and new fees will be made available 10 days prior to the date of the public hearing.

Forward five reprints of the attached advertisement to the County of Los Angeles Department of Public Works, Waterworks and Sewer Maintenance Division, P.O. Box 1460, Alhambra, California 91802-1460.

Should there be any questions regarding this matter, please contact Mr. Manuel del Real, of this office, at (626) 300-3300, Monday through Thursday, 7 a.m. to 5:45 p.m.

**NOTICE OF PUBLIC HEARING**  
**LOS ANGELES COUNTY WATERWORKS DISTRICT NO. 40, ANTELOPE VALLEY**  
**INCREASE IN EXISTING WATER SUPPLY CHARGES AND**  
**ESTABLISHMENT OF A NEW WATER SUPPLY RELIABILITY CHARGE FOR**  
**LOS ANGELES COUNTY WATERWORKS DISTRICT NO. 40, ANTELOPE VALLEY**

The Los Angeles County Board of Supervisors, as the governing board of the Los Angeles County Waterworks District No. 40, Antelope Valley (District), will hold a public hearing on \_\_\_\_\_, at 9:30 a.m., in the Hearing Room of the Board of Supervisors, Room 381, Kenneth Hahn Hall of Administration, 500 West Temple Street (corner of Temple Street and Grand Avenue), Los Angeles, California 90012, in the matter of amending the Rules and Regulations of the District to adopt the proposed increase in existing water supply charges and the establishment of a new Water Supply Reliability Charge as a condition of providing water service to the District's customers.

The District collects water supply charges as a condition of providing water service to the District's customers for the purpose of constructing necessary water system improvements within the District's existing service areas. The current water supply charges have not been increased since 1986.

The purpose of the proposed amendments to the District's Rules and Regulations is to increase the existing water supply charges and establish a new water supply reliability charge to enable the District to fund capital improvement projects and increase the reliability of the District's water supplies.

Based on a cost study prepared by the staff of the County's Department of Public Works (Public Works), current Water Supply Charges are not adequate to offset costs for the infrastructure needed to provide new water services. The new increased charges will provide the capital needed to finance the costs of additional water facilities.

The District's Capital Improvement (Frontage) Charge under the Rules and Regulations therefore is proposed to be increased from the current range of \$14.61-\$73.65 per foot of benefited frontage to a new range of \$25.42-\$128.15 per foot of benefited frontage.

The Capital Improvement (Acreage) Charge under the District's Rules and Regulations therefore is proposed to be increased from the current range of \$1,267-\$1,897 per acre of benefited area to a new range of \$2,205-\$3,301 per acre of benefited area.

The Service Connection and Water Meter Installation and Processing Charge under the District's Rules and Regulations therefore is proposed to be increased from the current range of \$339-\$687 per meter to a new range of \$590-\$1,195 per metered water service connection.

The Capital Improvement (Tank Capacity Unit) Charge is proposed to be increased from approximately \$1,200 to \$2,087 per typical single-family residence, which is the equivalent of an increase of \$480-\$835 per "tank capacity unit" as reflected in the

District's Rules and Regulations. Under the District's Rules and Regulations one "billing unit" is equivalent to one ¾-inch water service connection, which typically serves one single-family residence.

The District proposes to increase the existing charges by 74 percent based on the combined increases in the Construction Cost Index in the Los Angeles Region and the cost of labor to the District from 1986 to the present. In addition, the District is proposing a new Water Supply Reliability Charge for the purpose of firming up the District's water supplies. This new charge will consist of three components and was based on a study conducted by Public Work's staff as follow: 1) Water Banking Fee for storing water from the California State Water Project or any other source for use during dry years (\$1,500 per billing unit); 2) Groundwater Supply Fee for developing groundwater wells (\$3,000 per billing unit); and 3) Recycled Water Fee for the use of tertiary treated effluent from the County Sanitation Districts of Los Angeles County's water reclamation plants (\$1,400 per billing unit).

In compliance with Government Code Section 66013, the District established the increase in existing Water Supply Charges and the amounts of the three components of the new Water Supply Reliability Charge so as to not exceed the estimated reasonable cost of providing the service for which the fees are imposed.

The District proposes for the Acting Director of Public Works to review the Water Supply Charges and the new Water Supply Reliability Charge of the District on January 1 of every year and make a recommendation for the District to adjust these Water Supply Charges, accordingly, on an as-needed basis.

Consistent with the requirements of Government Code Section 66016, the District is making available to the public 10 days prior to the public hearing the data indicating the amount of estimated costs required to provide the services for which the Water Supply Charges and the Water Supply Reliability Charge are levied and the revenue sources anticipated to provide the services, including general fund revenues, if any. In addition, the District is making available a full and complete copy of the proposed amendments to the Rules and Regulations of the District, containing detailed information to allow any new or prospective applicant for water service from the District to determine the applicable effect of an increase in existing Water Supply Charges or the adoption of a new Water Supply Reliability Charge. The information will be available 10 days prior to the date of the public hearing at Kenneth Hahn Hall of Administration, 500 West Temple Street, Los Angeles, California 90012, Room 383, from 9:00 a.m. to 5 p.m. (corner of Temple Street and Grand Avenue).

The Board of Supervisors will consider and may approve these actions as recommended by the Acting Director of Public Works. For any other information regarding this matter, please call (626) 300-3300.

Para mas informacion en relacion a esta noticia, favor de llamar al numero (626) 300-3300. Nuestras horas de oficina son de 7:00 a.m. a 5:45 p.m., de lunes a jueves.

## ATTACHMENT B

**SECTION 1.** Rule 1-A-44 of Part 1 of the Rules and Regulations of the Los Angeles County Waterworks Districts is hereby amended as follows:

**1-A-44 WATER SUPPLY CHARGES:**

- a. Capital Improvement (Acreage, Billing Unit, Tank Capacity Unit) Charges.
- b. Local System Improvement (Frontage) Charges.
- c. Service Connection and Water Meter Installation and Processing Charges.
- d. Other Charges described herein related to the District providing water service to previously unserved premises or to premises in need of an increased level of water service.

**WATER SUPPLY RELIABILITY CHARGE (See Rule 4-A-1u):**

- a. Groundwater Supply Charge
- b. Water Banking Charge
- c. Recycled Water Charge

**SECTION 2.** Rule 1-A-49 of Part 1 of the Rules and Regulations of the Los Angeles County Waterworks Districts is hereby amended as follows:

**1-A-49 AREA PREVIOUSLY SERVED:** ~~The following shall apply in defining area previously served:~~

- a. For those parcels of land where metered water service exists at time the applicant applies for additions to present service and where there is *no* record of previous requirements for service, the applicant's property shall be exempt from applicable Capital Improvement (acreage) and Local System Improvement (frontage) charges of the District for that portion of the acreage and frontage areas previously provided with water service to the extent of the allowed existing land use (zoning) of said property.

It will, however, be subject to those Capital Improvement Charges described as Tank Capacity Unit Charges and Billing Units Charges in those Districts where applicable.

- b. For all new services or additions to the present service, or for redevelopment of previous or present services, which are now being applied for and where the existing water system improvements are adequate to meet the requirements of the redevelopment for providing a higher or increased level or quantity of water service or water supply and where there is a record of how the previous requirement was set for an existing developed property, the applicant's property may be subject to additional Capital Improvement (acreage) and Local System Improvement (frontage) Charges of the District with an exemption made for the previous land use level which may have been less than the presently existing

allowed land use (zoning) of said property and also Capital Improvement (Tank Capacity Unit and Billing Unit) Charge in those Districts where this charge is applicable.

If for this case, the existing water system improvements are not adequate to meet the redevelopment of said property, the existing water system must be upgraded by the developer at the developer's expense and in addition to above, said property may also be credited for any offsite water mains and facilities installed by said developer. ~~except in Districts Regions 4 and 34 of District 40 where these credits have been modified. See Rule 1-1-2b.~~

- c. Where the use of a previously served property has been changed by a zone change, zone exception or conditional use permit and the existing developed property is being redeveloped where the existing water system improvements are adequate to meet the requirements of the redevelopment for providing a higher or increased level or quantity of water service or water supply, the applicant's property may be subject to additional Capital Improvement (acreage) and Local System Improvement (frontage) Charges of the District with an exemption made for the previous land use level which may be less than the previous allowed land use (zoning) of said property and also Capital Improvement (Tank Capacity Unit and Billing Unit) Charge in those Districts where this charge is applicable.

If for this case, the existing water system improvements are not adequate to meet the redevelopment of said property, the existing water system must be upgraded by the developer at the developer's expense and, in addition to the above, said property may also be credited for any offsite water mains and facilities installed by said developer. ~~except in Districts Regions 4 and 34 of District 40 where these credits have been modified. See Rule 1-1-2b.~~

It will also be subject to Capital Improvement (Tank Capacity Unit and Billing Unit) Charge in those Districts where applicable.

- d. Where the existing water system improvements were installed with assessments under a State Improvement Act Project and where the use of a previously served parcel has been changed by a zone change, zone exception, or conditional use permit and the existing developed property is being redeveloped where the existing water system improvements are not adequate to meet the requirements of the redevelopment for providing a higher or increased level or quantity of water service or water supply, the existing water system must be upgraded by the developer at the developer's expense and the applicant's property may be subject to additional Capital Improvement (acreage) and Local System Improvement (frontage) Charges of the District with an exemption made for the applicable portion of the assessment made against the premises for which

water service has actually been previously applied for, but no more than the previously allowed land use (zoning) of said property and also credit for any offsite water mains and facilities installed by said developer.

**SECTION 3.** Rule 3-A-4a of Part 3 of the Rules and Regulations of the Los Angeles County Waterworks Districts is hereby amended as follows:

3-A-4a LOCAL SYSTEM IMPROVEMENT CHARGE, WATER SERVICE FROM AN EXISTING FRONTING WATER MAIN: For premises to be served with water service from existing adequate capacity water main(s) of the District, one of the following charges shall apply.

FOR ALL WATERWORKS DISTRICTS, EXCEPT WATERWORKS DISTRICT NO. 40

Size of Water Main Inches	Range of Fire Flow Required & Available GPM		Charge per Benefited Front Foot of the Applicant's Premises
Under 6		to 750	\$ 14.61
6		to 750	\$ 15.88
	751	to 1,250	16.49
	1,251	to 1,750	17.20
8		to 750	\$ 18.42
	751	to 1,250	19.02
	1,251	to 1,750	19.80
	1,751	to 2,250	20.85
10		to 750	\$ 22.27
	751	to 1,250	22.83
	1,251	to 1,750	23.60
	1,751	to 2,250	24.70
	2,251	to 2,750	26.07
	2,751	to 3,250	26.63
12		to 750	\$ 27.34
	751	to 1,250	27.95
	1,251	to 1,750	28.67
	1,751	to 2,250	29.77
	2,251	to 2,750	31.15
	2,751	to 3,250	31.72
	3,251	to 3,750	33.74
	3,751	to 4,250	34.23
	4,251	to 5,000	35.50

Size of Water Main Inches	Range of Fire Flow Required & Available GPM		Charge per Benefited Front Foot of the Applicant's Premises
14		to 750	\$ 34.18
	751	to 1,250	34.67
	1,251	to 1,750	35.28
	1,751	to 2,250	36.33
	2,251	to 2,750	37.38
	2,751	to 3,250	38.15
	3,251	to 3,750	40.52
	3,751	to 4,250	41.13
	4,251	to 5,000	42.61
16		to 750	\$ 41.01
	751	to 1,250	41.62
	1,251	to 1,750	42.34
	1,751	to 2,250	43.61
	2,251	to 2,750	44.88
	2,751	to 3,250	45.81
	3,251	to 3,750	48.63
	3,751	to 4,250	49.41
	4,251	to 5,000	51.16
18		to 750	\$ 49.23
	751	to 1,250	49.95
	1,251	to 1,750	50.83
	1,751	to 2,250	52.31
	2,251	to 2,750	53.86
	2,751	to 3,250	\$ 54.96
	3,251	to 3,750	58.38
	3,751	to 4,250	59.26
	4,251	to 5,000	61.42
20		to 750	\$ 59.10
	751	to 1,250	59.93
	1,251	to 1,750	60.98
	1,751	to 2,250	62.79
	2,251	to 2,750	64.61
	2,751	to 3,250	65.93
	3,251	to 3,750	70.02
	3,751	to 4,250	71.06
	4,251	to 5,000	73.65



The charges for conditions different than listed herein and for larger diameter water mains will be based on an engineering estimate of costs. Where the existing fronting water main has more capacity than will be needed to satisfy the domestic and fire protection service requirements of a proposed development, said development shall be responsible to pay the charge for only the Local System Improvement (frontage) Charge for the fire and domestic flow demand and the size of pipe necessary to meet said demands.

FOR ALL REGIONS IN WATERWORKS DISTRICT NO. 40

<u>Size of Water Main Inches</u>	<u>Range of Fire Flow Required &amp; Available GPM</u>			<u>Charge per Benefited Front Foot of the Applicant's Premises</u>
<u>Under 6"</u>	<u>0</u>	<u>to</u>	<u>750</u>	<u>\$25.42</u>
<u>6"</u>	<u>0</u>	<u>to</u>	<u>1,750</u>	<u>29.93</u>
<u>8"</u>	<u>0</u>	<u>to</u>	<u>2,250</u>	<u>36.28</u>
<u>10"</u>	<u>0</u>	<u>to</u>	<u>3,250</u>	<u>46.34</u>
<u>12"</u>	<u>0</u>	<u>to</u>	<u>5,000</u>	<u>61.77</u>
<u>14"</u>	<u>0</u>	<u>to</u>	<u>5,000</u>	<u>74.14</u>
<u>16"</u>	<u>0</u>	<u>to</u>	<u>5,000</u>	<u>89.02</u>
<u>18"</u>	<u>0</u>	<u>to</u>	<u>5,000</u>	<u>106.87</u>
<u>20"</u>	<u>0</u>	<u>to</u>	<u>5,000</u>	<u>128.15</u>

The charges for conditions different than listed herein and for larger diameter water mains will be based on an engineering estimate of costs.

Where the existing fronting water main has more capacity than will be needed to satisfy the domestic and fire protection service requirements of a proposed development, said development shall be responsible to pay the charge for only the Local System Improvement (frontage) Charge for the fire and domestic flow demand and the size of pipe necessary to meet said demands.

After evaluation of the costs of the District, the Engineer will review the above charges on January 1 of every year and make a recommendation to the Board to adjust these charges accordingly.

The needed capacity will be determined by the use of fire flow tests and performing hydraulic analysis of the existing facilities. Other criteria to be

applied shall be a maximum velocity of 10 feet per second and the minimum sizes related to fire flows (see chart below) and minimum sizes of pipe based on the type of development. This chart is based on Hazen-Williams, C = 120 for new pipe. Where old pipe is to be considered, use C = 100.

Pipe Size in Inches	4	6	8	10	12
Q in GPM for V=10 fps max. (one-way flow)	390	880	1,600	2,400	3,500
Qf Related to Size of Pipe for V=10 fps max. (one-way flow)	---	500 to 750	500 to 1,500	500 to 2,500	500 to 3,500
Qf Related to Size of Pipe for V=10 fps max. (two-way flow with 60% split)	---	500 to 1,500	500 to 3,000	500 to 4,500	500 to 5,000
=====					
Pipe Size in Inches	14	16	18	20	
Q in GPM for V=10 fps max. (one-way flow)	4,800	6,200	8,000	9,800	
Qf Related to Size of Pipe for V=10 fps max. (one-way flow)	500 to 4,500	500 to 5,000	500 to 5,000	500 to 5,000	
Qf Related to Size of Pipe for V=10 fps max. (two-way flow with 50% split)	500 to 5,000	500 to 5,000	500 to 5,000	500 to 5,000	

Minimum size of pipe for any type of development: shall be 6-inch-diameter.

**SECTION 4.** Rule 3-A-11k of Part 3 of the Rules and Regulations of the Los Angeles County Waterworks Districts is hereby amended to read as follows:

3-A-11k For the District to process water service applications including issuance of standard plans and specifications, ~~therefor, and~~ inspection of the installation thereof, processing of a new account for billing purposes, and data entry of a new account, the following charges shall apply:

FOR ALL WATERWORKS DISTRICTS, EXCEPT WATERWORKS DISTRICT NO. 40

		Service Connection Only Installation*	
Service Connection Size	Meter Size	First Installation	Each Additional Installation*
1-inch	3/4x1-inch	\$ 339.00	\$ 168.00
1-inch	1-inch	339.00	168.00
1 1/2-inch	1 1/2-inch	506.00	168.00
2-inch	2-inch	589.00	168.00
Over 2-inch	Over 2-inch	**	**

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Service Connection Size	Meter Size	Meter Only Installation	Meter & Service Connection Installation at the same time
1-inch	3/4x1-inch	\$ 98.00	\$ 437.00
1-inch	1-inch	98.00	437.00
1 1/3-inch	1 1/2-inch	98.00	604.00
2-inch	2-inch	98.00	687.00
Over 2-inch	Over 2-inch	**	**

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Service Connection Size	Meter Size	Each Additional* Complete Installation
1-inch	3/4x1-inch	\$ 266.00
1-inch	1-inch	266.00
1 1/2-inch	1 1/2-inch	266.00
2-inch	2-inch	266.00
Over 2-inch	Over 2-inch	**

\* When all applications are received at one time and installations are to occur approximately at the same time.

\*\* Costs will be determined as needed.

FOR ALL REGIONS IN WATERWORKS DISTRICT NO. 40:

<u>Service Connection Size</u>	<u>Meter Size</u>	<u>Service Connection Only Each Installation</u>
<u>1-inch</u>	<u>3/4x1-inch</u>	\$ <u>590.00</u>
<u>1-inch</u>	<u>1-inch</u>	<u>590.00</u>
<u>1 1/2-inch</u>	<u>1 1/2-inch</u>	<u>880.00</u>
<u>2-inch</u>	<u>2-inch</u>	<u>1,025.00</u>
<u>Over 2-inch</u>	<u>Over 2-inch</u>	<u>**</u> <u>—</u>

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<u>Service Connection Size</u>	<u>Meter Size</u>	<u>Meter Only Each Installation</u>	<u>Meter &amp; Service Connection Installation at the same time</u>
<u>1-inch</u>	<u>3/4x1-inch</u>	\$ <u>170.00</u>	\$ <u>760.00</u>
<u>1-inch</u>	<u>1-inch</u>	<u>170.00</u>	<u>760.00</u>
<u>1 1/2-inch</u>	<u>1 1/2-inch</u>	<u>170.00</u>	<u>1,050.00</u>
<u>2-inch</u>	<u>2-inch</u>	<u>170.00</u>	<u>1,195.00</u>
<u>Over 2-inch</u>	<u>Over 2-inch</u>	<u>**</u> <u>—</u>	

\*\* Costs will be determined as needed by the Engineer.

After evaluation of the costs of the District, the Engineer will review the above charges on January 1 of every year and make a recommendation to the Board to adjust these charges accordingly.

**SECTION 5.** Rule 3-A-18 of Part 3 of the Rules and Regulations of the Los Angeles County Waterworks District is hereby amended to read as follows:

3-A-18 CHARGE FOR REINSTALLING OF PREVIOUSLY REMOVED METER: The District will reinstall a previously removed meter upon the payment of the following charge where the District has not previously refunded the net value of the meter pursuant to Rule 3-A-12.

<u>Meter Size</u>	<u>All Waterworks Districts Except District No. 40</u>	<u>Waterworks District No. 40</u>
a. <u>1" &amp; less</u>	\$ 86.00	\$ <u>100.00</u>
b. <u>1 1/2"</u>	112.00	<u>115.00</u>
c. <u>2"</u>	136.00	<u>170.00</u>
d. <u>2" &amp; larger</u>	**	<u>**</u>

\*\* The charge shall be based on an engineering estimate of current costs.

After evaluation of the costs of the District, the Engineer will review the above charges on January 1 of every year and make a recommendation to the Board to adjust these charges accordingly.

**SECTION 6** Rule 4-A-1b of Part 4 of the Rules and Regulations of the Los Angeles County Waterworks District is hereby amended to read as follows:

4-A-1b REGION 4 OF WATERWORKS DISTRICT NO. 4, ~~LANCASTER 40,~~  
ANTELOPE VALLEY

1. All lands lying within the boundaries of Region 4 of Waterworks District No. 40, as of September 1, 1966, and for which the Waterworks District has at any time prior to September 1, 1966, provided water service or for which the Waterworks District was as of September 1, 1966, providing water service, are hereby deemed not to be subject to the Capital Improvement (acreage) Charges of said Waterworks District, except as stated in the first paragraph of Rule 4-A-1 and Rule 1-A-49 and any applicable parts of this subrule.
2. All lands lying within the boundaries of Region 4 of Waterworks District No. 40, as of September 1, 1966, not previously provided with water service prior to September 1, 1966, or not being provided with water service as of September 1, 1966, by the District, and lying outside of the areas defined in the parts of this subrule other than those areas defined in Parts 3 through 6, are hereby subject to a Capital Improvement (acreage) Charge ~~as follows~~ shown in Rule 4-A-1, except as stated in Rule 1-A-49, less applicable credits defined in Rule 1-I-2a and c. No credit pursuant to

Rule 1-I-2d is applicable to the lands of the area defined in Parts 3 through 6 of this subrule. See Rule 4-A-1t for other Capital Improvement Charges and Rule 4-A-1u for Water Supply Reliability Charges.

Lands where there is no fire flow requirement for the premises, per acre  
 .....\$1,267.00 \$2,205.00.

Lands where the fire flow requirement of the premises is:

Fire Flow @ 20 psi (gpm)	Duration	Charge Per Acre	<u>Charge Per Acre</u>
0 to 750	2 Hours	\$ 1,334.00	
<u>0</u> 751 to 1,250	2 Hours	<del>1,393.00</del>	<u>\$2,424.00</u>
1,251 to 1,750	2 Hours	<del>1,459.00</del>	
1,751 to 2,250	2 Hours	<del>1,519.00</del>	
<u>1,251</u> 2,251 to 2,750	2 Hours	<del>1,585.00</del>	<u>2,758.00</u>
2,751 to 3,250	3 Hours	<del>1,646.00</del>	
3,251 to 3,750	3 Hours	<del>1,713.00</del>	
3,751 to 4,250	4 Hours	<del>1,772.00</del>	
<u>2,751</u> 4,251 to 5,000	5 Hours	<del>1,897.00</del>	<u>3,301.00</u>

For other conditions of fire flow and duration, the per acre charge will be based on an engineering estimate of costs.

After evaluation of the costs of the District, the Engineer will review the above charges on January 1 of every year and make a recommendation to the Board to adjust these charges accordingly.

3. All lands lying within the boundaries of the area of the District known as the Beverly-Martin Estates, Avenue F and 30th Street East Annex (Petition No. 195 completed on August 6, 1963) and fronting, backing or siding on the water mains of the water system acquired by the District from Claud and Kathryn Martin (Board of Supervisors Agreement No. 7738, approved December 24, 1963), receive no credit pursuant to Rule 1-I-2d against the Capital Improvement Charges remaining after consideration of credits applicable, pursuant to said Rule 1-I-2a and c. Rule 1-A-49 shall also apply.
4. All lands lying within the boundaries of the area of the District known as the service areas of the Mountain View Farms Water Company and Section 29 Mutual Water Company shall be subject to the Capital Improvement Charges, less applicable credits, pursuant to the terms and conditions of Agreement No. 9976, approved on August 31, 1965. Rule 1-A-49 shall also apply.

5. Lands lying within the area previously served by the Sierra Mutual Water Company shall be subject to the Capital Improvement Charges as given in the Agreement for Acquisition of the Water System recorded on December 23, 1969, in Book M3374 beginning on Page 560. Rule 1-A-49 shall also apply.
6. All lands lying within the area previously served by the Old Timers Mutual Water Company shall be subject to the Water Supply Charges of the District, less applicable credits and pursuant to the terms and conditions of Agreement No. 26293, approved on September 10, 1975. The service area of the Old Timers Mutual Water Company is considered to be the southeast one-quarter of the southeast one-quarter of Section 12, T-7-N, R-11-W, S.B.M. Rule 1-A-49 shall also apply.
7. ~~All lands not previously served with water service within or annexing to the District or presently served and requesting a larger metered service and/or require a greater fire protection capability shall be subject to a Capital Improvement (Tank Capacity Unit) Charge as defined in the Tank Capacity Units Chart within this subrule, in addition to the Capital Improvement (acreage) Charge defined elsewhere in this Rule. The only ones exempt from this charge are lands which are included in formal agreements with the District for construction of water storage, conveyance, or well facilities and their appurtenances. The Capital Improvement (Tank Capacity Unit) Charge for upgrading an existing metered service from the smaller to the larger size will be the difference in the Tank Capacity Units represented by the existing meter and the new meter multiplied by the calculated dollar amount of the charge. The Capital Improvement (Tank Capacity Unit) Charge for a new service will be the Billing Units for the respective size of the metered service multiplied by the fire flow demand units (see table) times the calculated dollar amount of the Capital Improvement (Tank Capacity Unit) Charge. This charge shall remain in effect until changed by the Board of Directors of the District. No credits shall be given for this charge. Applicable credit may be given for this charge as defined in Rule 1 A 50b.~~

~~The initial calculated dollar amount per Tank Capacity Unit for those developments not entering into agreements with the District shall be.....\$480.~~

~~The dollar amount per tank capacity unit for negotiated agreements between developers and the District shall be set by the District Engineer and approved by the Board of Directors.~~

8. ~~Notwithstanding the above provisions or any other District Rules, the District may allow a developer to sell its excess Capital Improvement (Tank Capacity) Units to other developers or individuals whose property has not been previously served by the District, or those developers or individuals upgrading an existing service.~~

**LOS ANGELES COUNTY WATERWORKS DISTRICT NO. 40, ANTELOPE  
VALLEY REGIONS 4 AND 34  
CAPITAL IMPROVEMENT CHARGE**

**TANK CAPACITY UNITS**

(BILLING UNITS & FIRE FLOW DEMAND UNITS)

DOMESTIC AND FIRE SPRINKLERS METERS FIRE FLOWS (Public or Private On Site whichever is larger)

Billing Meter Size (Inches)	Meter Flow (gpm)	Tank Capacity Units (B.U.)	Fire Flow (gpm)	Duration (Hrs)	FireFlow (Thousands of gallons)	Demand Units (F.F.D.U.)**
3/4 & smaller	30 & less	1	0 - 500	2	60	1.0
1	50	2	501 - 750	2	90	1.5
1 1/2	100	3	751 - 1,000	2	120	2.0
2	160	5	1,001 - 1,250	2	150	2.5
4	500	17	1,251 - 1,500	2	180	3.0
6	1,000	33	1,501 - 2,000	2	240	4.0
8	1,600	53	2,001 - 2,500	2	300	5.0
10	2,300	77	2,501 - 3,000	3	540	9.0
12	3,000	100	3,001 - 3,500	3	630	10.5
			3,501 - 4,000	4	960	16.0
			4,001 - 4,500	4	1,080	18.0
			4,501 - 5,000	5	1,500	25.0

\* For meters over 2 inches, the number of Billing Units will be determined by adding together all domestic and sprinkler fire protection flows to the premises and dividing by 30 (30 being the gallons per minute equivalent to one billing unit).

\*\* Actual number of units to be calculated by multiplying fire flow in gpm by duration in minutes divided by 60,000 gallons.

**EXAMPLES:** Typical developments:

1. Single family residence: Public Fire Flow = 1,250 gpm = 2.5 F.F.D.U., 3/4 x 1 domestic water meter = 1 B.U.; 1 B.U. x 2.5 F.F.D.U. = 2.5 Tank Capacity Units.
2. Multi-residential & Office Buildings: Fire Flow 2,000 gpm, five (5) 2-inch domestic water meters [(5 meters) x 5 B.U.] x 4 F.F.D.U. = 100 Tank Capacity Units.
3. Shopping Center, Private System: Private Fire Flow 1,250 gpm, Public Fire Flow 2,500 gpm; 3- 1 1/2-inch water meters [(3 meters) x 3 B.U.] x 5 F.F.D.U. = 45 Tank Capacity Units.
4. Landscape meter: No Public Fire Flow (Use Lowest Value) = 1 F.F.D.U., 2 inch water meter = 5 B.U.; 5 B.U. x 1 F.F.D.U. = 5 Tank Capacity Units.
5. FMCT meters: Total domestic flow divided by 30 = number of billing units Domestic Flow = 650 gpm / 30 = 22 B.U. Fire Flow = 2,750 gpm = 8.25 F.F.D.U.; 22 B.U. x 8.25 F.F.D.U. = 181.5 Tank Capacity Units.



**SECTION 7** Rule 4-A-1h of Part 4 of the Rules and Regulations of the Los Angeles County Waterworks District is hereby amended to read as follows:

4-A-1h REGION 24 OF WATERWORKS DISTRICT NO. 24, PEARBLOSSOM 40, ANTELOPE VALLEY

1. All lands lying within the boundaries of Region 24 of Waterworks District No. 24 40, as of July 1, 1966, and for which the Waterworks District has, at any time prior to July 1, 1966, provided water service or for which the Waterworks District was as of July 1, 1966, providing water service, are hereby deemed not to be subject to the Capital Improvement (acreage) Charges of said Waterworks District, except as stated in the first paragraph of Rule 4-A-1 and Rule 1-A-49 and applicable parts of this subrule.
2. All lands lying within the boundaries of Region 24 of Waterworks District No. 24 40, as of July 1, 1966, not previously provided with water service prior to July 1, 1966, by the District and lying outside of the areas defined in the parts of this subrule other than Part 3 are hereby subject to a Capital Improvement (acreage) Charge ~~as follows~~ shown in Rule 4-A-1, except as stated in Rule 1-A-49, less applicable credits defined in Rule 1-I-2a, b, and c. No credit pursuant to Rule 1-I-2d is applicable to the lands of the area of Part 3 of this subrule. See Rule 4-A-1t for other Capital Improvement Charges and Rule 4-A-1u for Water Supply Reliability Charges.

Lands where there is no fire flow requirement for the premises, per acre  
 .....~~\$1,267.00~~ \$2,205.00.

Lands where the fire flow requirement of the premises is:

Fire Flow @ 20 psi (gpm)		Duration		Charge Per Acre	Charge Per Acre
<u>0</u>	<del>0</del>	<del>to 750</del>	<del>2 Hours</del>	<del>\$ 1,334.00</del>	<u>\$2,424.00</u>
	<del>751</del>	<del>to 1,250</del>	<del>2 Hours</del>	<del>1,393.00</del>	
	<del>1,251</del>	<del>to 1,750</del>	<del>2 Hours</del>	<del>1,459.00</del>	
	<del>1,751</del>	<del>to 2,250</del>	<del>2 Hours</del>	<del>1,519.00</del>	
<u>1,251</u>	<del>2,251</del>	<del>to 2,750</del>	<del>2 Hours</del>	<del>1,585.00</del>	<u>2,758.00</u>
	<del>2,751</del>	<del>to 3,250</del>	<del>3 Hours</del>	<del>1,646.00</del>	
	<del>3,251</del>	<del>to 3,750</del>	<del>3 Hours</del>	<del>1,713.00</del>	
	<del>3,751</del>	<del>to 4,250</del>	<del>4 Hours</del>	<del>1,772.00</del>	
<u>2,751</u>	<del>4,251</del>	<del>to 5,000</del>	<del>5 Hours</del>	<del>1,897.00</del>	<u>3,301.00</u>

For other conditions of fire flow and duration, the per acre charge will be based on an engineering estimate of costs.

After evaluation of the costs of the District, the Engineer will review the above charges on January 1 of every year and make a recommendation to the Board to adjust these charges accordingly.

3. All lands lying within the boundaries of the area of the District known as the area of service of the former Pearblossom Heights Mutual Water Company, including all lands fronting, backing, or siding on the water mains of the water system acquired by the District from the Pearblossom Heights Mutual Water Company (Board of Supervisors Agreement No. 861, approved September 30, 1958), receive no credit pursuant to Rule 1-I-2d against the Capital Improvement Charges remaining after consideration of credits applicable, pursuant to Rule 1-I-2a, b and c. Rule 1-A-49 shall also apply.

**SECTION 8.** Rule 4-A-1j of Part 4 of the Rules and Regulations of the Los Angeles County Waterworks District is hereby amended to read as follows:

4-A-1j REGION 27 OF WATERWORKS DISTRICT NO. 24 LITTLE ROCK 40, ANTELOPE VALLEY: All lands lying within the boundaries of Region 27 of Waterworks District No. 2740, as of July 1, 1966, are deemed to have been prior to July 1, 1966, or are deemed to be as of July 1, 1966, provided with water service by the District, and therefore, no Capital Improvement Charge is applicable to such lands, except as stated in the first paragraph of Rule 4-A-1 and Rule 1-A-49. See Rule 4-A-1t for other Capital Improvement Charges and Rule 4-A-1u for Water Supply Reliability Charges.

Lands where there is no fire flow requirement for the premises, per acre  
 .....~~\$1,267.00~~ \$2,205.00.

Lands where the fire flow requirement of the premises is:

Fire Flow @ 20 psi (gpm)				Duration	Charge Per Acre	Charge Per Acre
	0	to	750	2 Hours	<del>\$ 1,334.00</del>	
<u>0</u>	751	to	1,250	2 Hours	<del>1,393.00</del>	<u>\$2,424.00</u>
	1,251	to	1,750	2 Hours	<del>1,459.00</del>	
	1,751	to	2,250	2 Hours	<del>1,519.00</del>	
<u>1,251</u>	2,251	to	2,750	2 Hours	<del>1,585.00</del>	<u>2,758.00</u>
	2,751	to	3,250	3 Hours	<del>1,646.00</del>	
	3,251	to	3,750	3 Hours	<del>1,713.00</del>	
	3,751	to	4,250	4 Hours	<del>1,772.00</del>	
<u>2,751</u>	4,251	to	5,000	5 Hours	<del>1,897.00</del>	<u>3,301.00</u>

For other conditions of fire flow and duration, the per acre charge will be based on an engineering estimate of costs.

After evaluation of the costs of the District, the Engineer will review the above charges on January 1 of every year and make a recommendation to the Board to adjust these charges accordingly.

**SECTION 9.** Rule 4-A-1l of Part 4 of the Rules and Regulations of the Los Angeles County Waterworks District is hereby amended to read as follows:

4-A-1l REGION 33 OF WATERWORKS DISTRICT NO. 33, SUN VILLAGE 40, ANTELOPE VALLEY

1. All lands lying within the boundaries of Region 33 of Waterworks District No. 33 40, as of July 1, 1966, and for which the Waterworks District has, at any time prior to July 1, 1966, provided water service, or for which the Waterworks District was as of July 1, 1966, provided water service, are hereby deemed not to be subject to the Capital Improvement (acreage) Charges of said Waterworks District, except as stated in the first paragraph of Rule 4-A-1 and Rule 1-A-49 and any applicable parts of this subrule.
2. All lands lying within the boundaries of Region 33 of Waterworks District No. 33 40, as of July 1, 1966, not previously provided with water service prior to July 1, 1966, or not provided with water service as of July 1, 1966, by the District and lying outside of the areas defined in the parts of this subrule, other than Part 3, are hereby subject to a Capital Improvement Charge ~~as follows~~ shown in Rule 4-A-1, except as stated in Rule 1-A-49, less applicable credits defined in Rule 1-l-2a, b and c. No credit pursuant to Rule 1-l-2d is applicable to the lands of the area of Part 3 of this subrule. See Rule 4-A-1t for other Capital Improvement Charges and Rule 4-A-1u for Water Supply Reliability Charges.

Lands where there is no fire flow requirement for the premises, per acre  
 .....~~\$1,267.00~~ \$2,205.00.

Lands where the fire flow requirement of the premises is:

Fire Flow @ 20 psi (gpm)		Duration	Charge Per Acre	<u>Charge Per Acre</u>
<u>0</u>	<del>0</del> to <del>750</del>	<del>2 Hours</del>	<del>\$ 1,334.00</del>	<u>\$2,424.00</u>
	<del>751</del> to <del>1,250</del>	<del>2 Hours</del>	<del>1,393.00</del>	
	<del>1,251</del> to <del>1,750</del>	<del>2 Hours</del>	<del>1,459.00</del>	
	<del>1,751</del> to <del>2,250</del>	<del>2 Hours</del>	<del>1,519.00</del>	
<u>1,251</u>	<del>2,251</del> to <del>2,750</del>	<del>2 Hours</del>	<del>1,585.00</del>	<u>2,758.00</u>
	<del>2,751</del> to <del>3,250</del>	<del>3 Hours</del>	<del>1,646.00</del>	
	<del>3,251</del> to <del>3,750</del>	<del>3 Hours</del>	<del>1,713.00</del>	
	<del>3,751</del> to <del>4,250</del>	<del>4 Hours</del>	<del>1,772.00</del>	
<u>2,751</u>	<del>4,251</del> to <del>5,000</del>	<del>5 Hours</del>	<del>1,897.00</del>	<u>3,301.00</u>

For other conditions of fire flow and duration, the per acre charge will be based on an engineering estimate of costs.

After evaluation of the costs of the District, the Engineer will review the above charges on January 1 of every year and make a recommendation to the Board to adjust these charges accordingly.

3. All lands lying within the boundaries of the area of the District known as the area of service of the former water purveyors listed following this part of this subrule, including all lands fronting, backing, or siding on the water mains of the water system acquired by the District from said water purveyors, receive no credit pursuant to Rule 1-I-2d against the Capital Improvement Charges remaining after consideration of credits applicable, pursuant to said Rule 1-I-2a, b and c. Rule 1-A-49 shall also apply.

<u>Water Purveyor</u>	<u>B/S Agreement No.</u>	<u>Date Approved</u>
Sun Village Water & Improvement Co.	7988	March 19, 1964
Shadow Mountain Mutual Water Co.	9371	April 20, 1965
Sunnyvale Mutual Water Company	9415	May 11, 1965
Antelope Center Mutual Water Co.	9798	July 13, 1965
Littlerock Farms/Prosit, Inc.	33358	October 10, 1978

**SECTION 10.** Rule 4-A-1m of Part 4 of the Rules and Regulations of the Los Angeles County Waterworks District is hereby amended to read as follows:

4-A-1m REGION 34 OF WATERWORKS DISTRICT NO. 34, DESERT VIEW HIGHLANDS 40, ANTELOPE VALLEY

1. All lands lying within the boundaries of Region 34 of Waterworks District No. 34 40, as of July 1, 1966, and for which the Waterworks District has, at any time prior to July 1, 1966, provided water service or for which the Waterworks District was as of July 1, 1966, providing water service, are hereby deemed not to be subject to the Capital Improvement (acreage) Charges of said Waterworks District, except as stated in the first paragraph of Rule 4-A-1 and Rule-1A-49 and any applicable parts of this subrule.
2. All lands lying within the boundaries of Region 34 of Waterworks District No. 34 40, as of July 1, 1966, not previously provided with water service prior to July 1, 1966, or not being provided with water service as of July 1, 1966, by the District and lying outside of the areas defined in Part 3 of this subrule are hereby subject to a Capital Improvement (acreage) Charge as follows shown in Rule 4-A-1, except as stated in Rule 1-A-49, less applicable credits defined in Rule 1-I-2c. No credit pursuant to Rule 1-I-2a and d is applicable to the lands of the area defined in Part 3 of this subrule. See Rule 4-A-1t for other Capital Improvement Charges and Rule 4-A-1u for Water Supply Reliability Charges.

Lands where there is no fire flow requirement for the premises, per acre  
 .....\$1,267.00 \$2,205.00.

Lands where the fire flow requirement of the premises is:

Fire Flow @ 20 psi (gpm)	Duration	Charge Per Acre	Charge Per Acre
<del>0 to 750</del>	<del>2 Hours</del>	<del>\$ 1,334.00</del>	
<u>0</u> <del>751 to 1,250</del>	<del>2 Hours</del>	<del>1,393.00</del>	<u>\$2,424.00</u>
<del>1,251 to 1,750</del>	<del>2 Hours</del>	<del>1,459.00</del>	
<del>1,751 to 2,250</del>	<del>2 Hours</del>	<del>1,519.00</del>	
<u>1,251</u> <del>2,251 to 2,750</del>	<del>2 Hours</del>	<del>1,585.00</del>	<u>2,758.00</u>
<del>2,751 to 3,250</del>	<del>3 Hours</del>	<del>1,646.00</del>	
<del>3,251 to 3,750</del>	<del>3 Hours</del>	<del>1,713.00</del>	
<del>3,751 to 4,250</del>	<del>4 Hours</del>	<del>1,772.00</del>	
<u>2,751</u> <del>4,251 to 5,000</del>	<del>5 Hours</del>	<del>1,897.00</del>	<u>3,301.00</u>

For other conditions of fire flow and duration, the per acre charge will be based on an engineering estimate of costs.

After evaluation of the costs of the District, the Engineer will review the above charges on January 1 of every year and make a recommendation to the Board to adjust these charges accordingly.

- The following described lands are hereby deemed to have paid the Capital Improvement Charges of \$300 per acre in existence at the time and are thereby deemed to have paid in full Capital Improvement Charges by fact of the stipulated judgment in Superior Court Case No. 804400, whereby the District condemned and obtained title to the water system facilities of the Deep River Water Company. Rule 1-A-49 shall also apply.

Parcel No. 1: A portion of the northeast quarter of Section 21, Township 6 North, Range 12 West, S.B.B. & M., described as a parcel having a frontage of 308 feet on Avenue P, said 308 feet commencing on the easterly line of Tract No. 23739 and extending easterly along Avenue P, said distance and said parcel having a depth of 1,000 feet extending southerly from the south line of Avenue P as same existed in 1962, said Parcel No. 1 having an area of 7.07+ acres.

Parcel No. 2: The southeast quarter of the southeast quarter of Section 16, Township 6 North, Range 12 West, S.B.B. & M., said Parcel No. 2 having an area of 38.79+ acres.

Parcel No. 3: A portion of Section 21, Township 6 North, Range 12 West, S.B.B. & M., described as a parcel bounded on the northeast by Palm Tree Way, a public street; on the southeast by the northwest tract lines of Tracts Nos. 19947 and 19948; on the southwest by Mesquite Road, a public street and the northwesterly prolongation thereof;

and by a line having a bearing of South 48 deg. 31 min. West and a length of 1,001.22 feet from the most westerly corner of Tract No. 24283; said Parcel No. 3 having an area of 27.51+ acres.

Parcel No. 4: West half of the southwest quarter of the southwest quarter of Section 22, Township 6 North, Range 12 West, S.B.B. & M., except the westerly 200 feet of the southerly 200 feet of said Section, said Parcel No. 4 having an area of 17.22+ acres.

Parcel No. 5: A portion of the northeast quarter of Section 28, Township 6 North, Range 12 West, S.B.B. & M., described as a parcel bounded by the westerly tract line of Tract No. 23280; by the north line of a Grant Deed recorded in the records of the County of Los Angeles County Recorder as Document No. 1690 on May 1, 1957; by the east line of the west half of the west half of said northeast quarter of said Section; and by the south line of Avenue Q (Elizabeth Canyon Road), a public street, as same existed in 1962; said Parcel No. 5 having an area of 9.84+ acres.

Parcel No. 6: East half of the northeast quarter of Section 28, Township 6 North, Range 12 West, S.B.B. & M., except Tract No. 20196, said Parcel No. 6 having an area of 77.50+ acres.

Parcel No. 7: East half of the southeast quarter of Section 28, Township 6 North, Range 12 West, S.B.B. & M., except the Q 9/10 Street West Reservoir Site of said District and the two-acre area residential site of Joseph S. Hunt as of 1962; said Parcel No. 7 having an area of 77.50+ acres.

Parcel No. 8: The areas of Tracts Nos. 17164, 18173, 18644, 19763, 19947, 19948, 20196, 20398, 21211, 21821, 22035, 23280, 23739, and 24283 as they existed on September 19, 1962.

Parcel No. 9: That portion of the easterly 660 feet of Section 21, Township 6 North, Range 12 West, S.B.B. & M., not included within the boundaries of Tracts Nos. 17164, 18644, and 22035.

- ~~4. All lands not previously served with water service within or annexing to the District or presently served and requesting a larger metered service and/or require a greater fire protection capability shall be subject to a Capital Improvement (Tank Capacity) Unit Charge as defined in the Tank Capacity Unit Chart within this subrule, in addition to the Capital Improvement (acreage) Charge defined elsewhere in this Rule. The only ones exempt from this charge are lands which are included in formal agreements with the District for construction of water storage, conveyance, or well facilities and their appurtenances.~~

~~The Capital Improvement (Tank Capacity Unit) Charge for upgrading an existing metered service from the smaller to the larger size will be the difference in the Tank Capacity Units represented by the existing meter~~

~~and the new meter multiplied by the calculated dollar amount of the charge.~~

~~The Capital Improvement (Tank Capacity Unit) Charge for a new service will be the Billing Units for the respective size of the metered service multiplied by the fire flow demand units (see table) times the calculated dollar amount of the Capital Improvement (Tank Capacity Unit) Charge.~~

~~This charge shall remain in effect until changed by the Board of Directors of the District. No credits shall be given for this charge.~~

~~The initial calculated dollar amount per Tank Capacity Unit for those developments not entering into agreements with the District shall be \$480.00.~~

~~The dollar amount per tank capacity unit for negotiated agreements between developers and the District shall be set by the District Engineer and approved by the Board of Directors.~~

- ~~5. Notwithstanding the above provisions or any other District Rule, the District may allow a developer to sell its excess Capital Improvement (Tank Capacity Units) Charges to other developers, or individuals whose property has not been previously served by the District, or those developers or individuals upgrading an existing service.~~

**LOS ANGELES COUNTY WATERWORKS DISTRICT NO. 34, DESERT VIEW HIGHLANDS**

**CAPITAL IMPROVEMENT CHARGE**

**TANK CAPACITY UNITS**

**(BILLING UNITS & FIRE FLOW DEMAND UNITS)**

DOMESTIC AND FIRE SPRINKLERS METERS FIRE FLOWS (Public or Private On Site whichever is larger)

Billing Meter Size (Inches)	Meter Flow (gpm)	Tank Capacity Units (B.U.)	Fire Flow (gpm)	Duration (Hrs)	FireFlow (Thousands of gallons)	Demand Units (F.F.D.U.)**
3/4 & smaller	30 & less	1	0 - 500	2	60	1.0
1	50	2	501 - 750	2	90	1.5
1 1/2	100	3	751 - 1,000	2	120	2.0
2	160	5	1,001 - 1,250	2	150	2.5
4	500	17	1,251 - 1,500	2	180	3.0
6	1,000	33	1,501 - 2,000	2	240	4.0
8	1,600	53	2,001 - 2,500	2	300	5.0
10	2,300	77	2,501 - 3,000	3	540	9.0
12	3,000	100	3,001 - 3,500	3	630	10.5
			3,501 - 4,000	4	960	16.0
			4,001 - 4,500	4	1,080	18.0
			4,501 - 5,000	5	1,500	25.0

\* For meters over 2 inches, the number of Billing Units will be determined by adding together all domestic and sprinkler fire protection flows to the premises and dividing by 30 (30 being the gallons per minute equivalent to one billing unit).

\*\* Actual number of units to be calculated by multiplying fire flow in gpm by duration in minutes divided by 60,000 gallons.

**EXAMPLES:** Typical developments:

1. Single family residence: Public Fire Flow = 1,250 gpm = 2.5 F.F.D.U., 3/4 x 1 domestic water meter = 1 B.U.; 1 B.U. x 2.5 F.F.D.U. = 2.5 Tank Capacity Units.
2. Multi residential & Office Buildings: Fire Flow 2,000 gpm, five (5) 2 inch domestic water meters [(5 meters) x 5 B.U.] x 4 F.F.D.U. = 100 Tank Capacity Units.
3. Shopping Center, Private System: Private Fire Flow 1,250 gpm, Public Fire Flow 2,500 gpm; 3- 1 1/2-inch water meters [(3 meters) x 3 B.U.] x 5 F.F.D.U. = 45 Tank Capacity Units.
4. Landscape meter: No Public Fire Flow (Use Lowest Value) = 1 F.F.D.U., 2 inch water meter = 5 B.U.; 5 B.U. x 1 F.F.D.U. = 5 Tank Capacity Units.
5. FMCT meters: Total domestic flow divided by 30 = number of billing units Domestic Flow = 650 gpm / 30 = 22 B.U. Fire Flow = 2,750 gpm = 8.25 F.F.D.U.; 22 B.U. x 8.25 F.F.D.U. = 181.5 Tank Capacity Units.



**SECTION 11.** Rule 4-A-1n of Part 4 of the Rules and Regulations of the Los Angeles County Waterworks District is hereby amended to read as follows:

4-A-1n REGION 35 OF WATERWORKS DISTRICT NO. 35, NORTHEAST LOS ANGELES COUNTY 40, ANTELOPE VALLEY:

All lands lying within the boundaries of Region 35 of Waterworks District No. 35 40, as of July 1, 1968, are hereby subject to a Capital Improvement (acreage) Charge ~~as follows~~ shown in Rule 4-A-1, less applicable credits defined in Rule 1-I-2a, b and c, except those lands within the area subject to the Agreement between the District and Improvement Districts B and 3 of the Antelope Valley-East Kern Water Agency (Board of Supervisors Agreement No. 17594 recorded as Document No. 3516 on December 30, 1970, in the office of the County Registrar-Recorder). Those lands described in Agreement No. 17594 are subject to such additional credits as allowed by the Agreement. Any applicable exceptions stated in the first paragraph of Rule 4-A-1 shall apply. See Rule 4-A-1t for other Capital Improvement Charges and Rule 4-A-1u for Water Supply Reliability Charges.

Lands where there is no fire flow requirement for the premises, per acre  
 .....1,267.00 \$2,205.00.

Lands where the fire flow requirement of the premises is:

Fire Flow @ 20 psi (gpm)		Duration	Charge Per Acre	Charge Per Acre
<u>0</u>	0 to 750	2 Hours	\$ 1,334.00	
	751 to 1,250	2 Hours	1,393.00	<u>\$2,424.00</u>
	1,251 to 1,750	2 Hours	1,459.00	
	1,751 to 2,250	2 Hours	1,519.00	
<u>1,251</u>	2,251 to 2,750	2 Hours	1,585.00	<u>2,758.00</u>
	2,751 to 3,250	3 Hours	1,646.00	
	3,251 to 3,750	3 Hours	1,713.00	
	3,751 to 4,250	4 Hours	1,772.00	
<u>2,751</u>	4,251 to 5,000	5 Hours	1,897.00	<u>3,301.00</u>

For other conditions of fire flow and duration, the per acre charge will be based on an engineering estimate of costs.

After evaluation of the costs of the District, the Engineer will review the above charges on January 1 of every year and make a recommendation to the Board to adjust these charges accordingly.

**SECTION 12.** Rule 4-A-1q of Part 4 of the Rules and Regulations of the Los Angeles County Waterworks District is hereby amended to read as follows:

4-A-1q REGION 38 OF WATERWORKS DISTRICT NO. 38, LAKE LOS ANGELES 40, ANTELOPE VALLEY:

All lands lying within the following Tracts Nos. 27968, 28358, 28481, 28482, 28483, 28484, 28485, 28486, 28487, 28488, 28489, 28490, 28491, 28492, 28493, 28494, 28495, 28496, 29071, and 29859, by virtue of the developer of said tracts having constructed and dedicated to the District sites and primary water system facilities located thereon (wells, reservoirs, tanks. etc.) for the use of the District in serving lots in said tracts, are deemed to be subject a Capital Improvement Charge, determined pursuant to be of Rule 1-I-2b to be \$0 per acre, provided said lots are developed pursuant to zoning existing as of the date of the tract map recordation, or said lots are developed pursuant to zoning effective after the date of the tract map recordation and said zoning and/or development does not result in the local fire protection authority setting fire flow requirements in excess of the capability of the water system installed by the tract developer. Should use of a lot result in the fire protection authority setting a fire flow in excess of the system capability, the District may charge the lot developer appropriate charges to provide the increased fire flow, or may require the developer to install the then-needed water system improvements. Any applicable exception stated in the first paragraph of Rule 4-A-1 shall apply.

All lands not lying within said tracts, except where the lands are within the boundaries of the District as of September 1, 1968, and which can be supplied with water service from facilities installed by the developer of the herein-listed tracts at no expense to the District for extension, enlargement, addition or improvement of the said facilities, are hereby subject to a Capital Improvement (acreage) follows shown in Rule 4-A-1, except as stated in Rule 1-A-49, less applicable credits defined in Rule 1-I-2. See Rule 4-A-1t for other Capital Improvement Charges and Rule 4-A-1u for Water Supply Reliability Charges.

~~All lands not previously served with water service within or annexing to the District or presently served and requesting a larger metered service and/or require a greater fire protection capability shall be subject to a Capital Improvement (Tank Capacity Unit) Charge in addition to the Capital Improvement (Acreage) Charge defined elsewhere in this Rule. The only ones exempt from this charge are lands which are included in formal agreements with the District for construction of water storage, conveyance, or well facilities and their appurtenances. The Capital Improvement (Tank Capacity Unit) Charge for upgrading an existing metered service from the smaller to the larger size will be the difference in the Tank Capacity Units represented by the existing meter and the new meter multiplied by the calculated dollar amount of the charge. The Capital Improvement (Tank Capacity Unit) Charge for a new service will be the Billing Units for the~~

~~respective size of the metered service multiplied by the fire flow demand units (see table) times the calculated dollar amount of the Capital Improvement (Tank Capacity Unit) Charge. This charge shall remain in effect until change by the Board of Directors of the District. No credits shall be given for this charge.~~

**LOS ANGELES COUNTY WATERWORKS DISTRICT NO. 38, LAKE LOS ANGELES  
CAPITAL IMPROVEMENT CHARGE**

**TANK CAPACITY UNITS  
(BILLING UNITS & FIRE FLOW DEMAND UNITS)**

DOMESTIC AND FIRE SPRINKLERS METERS FIRE FLOWS (Public or Private On Site whichever is larger)

Billing Meter Size (Inches)	Meter Flow (gpm)	Tank Capacity Units (B.U.)	Fire Flow (gpm)		Duration (Hrs)	FireFlow (Thousands of gallons)	Demand Units (F.F.D.U.)**
3/4 & smaller	30 & less	1	0	500	2	60	1.0
1	50	2	501	750	2	90	1.5
1 1/2	100	3	751	1,000	2	120	2.0
2	160	5	1,001	1,250	2	150	2.5
4	500	17	1,251	1,500	2	180	3.0
6	1,000	33	1,501	2,000	2	240	4.0
8	1,600	53	2,001	2,500	2	300	5.0
10	2,300	77	2,501	3,000	3	540	9.0
12	3,000	100	3,001	3,500	3	630	10.5
			3,501	4,000	4	960	16.0
			4,001	4,500	4	1,080	18.0
			4,501	5,000	5	1,500	25.0

\* For meters over 2 inches, the number of Billing Units will be determined by adding together all domestic and sprinkler fire protection flows to the premises and dividing by 30 (30 being the gallons per minute equivalent to one billing unit).

\*\* Actual number of units to be calculated by multiplying fire flow in gpm by duration in minutes divided by 60,000 gallons.

**EXAMPLES:** Typical developments:

1. Single family residence: Public Fire Flow = 1,250 gpm = 2.5 F.F.D.U., 3/4 x 1 domestic water meter = 1 B.U.; 1 B.U. x 2.5 F.F.D.U. = 2.5 Tank Capacity Units.
2. Multi-residential & Office Buildings: Fire Flow 2,000 gpm, five (5) 2-inch domestic water meters [(5 meters) x 5 B.U.] x 4 F.F.D.U. = 100 Tank Capacity Units.
3. Shopping Center, Private System: Private Fire Flow 1,250 gpm, Public Fire Flow 2,500 gpm; 3- 1 1/2-inch water meters [(3 meters) x 3 B.U.] x 5 F.F.D.U. = 45 Tank Capacity Units.
4. Landscape meter: No Public Fire Flow (Use Lowest Value) = 1 F.F.D.U., 2-inch water meter = 5 B.U.; 5 B.U. x 1 F.F.D.U. = 5 Tank Capacity Units.
5. FMCT meters: Total domestic flow divided by 30 = number of billing units Domestic Flow = 650 gpm / 30 = 22 B.U. Fire Flow = 2,750 gpm = 8.25 F.F.D.U.; 22 B.U. x 8.25 F.F.D.U. = 181.5 Tank Capacity Units.

Lands where there is no fire flow requirement for the premises, per acre  
 .....~~\$1,267.00~~ \$2,205.00.

Lands where the fire flow requirement of the premises is:

Fire Flow @ 20 psi (gpm)		Duration	Charge Per Acre	<u>Charge Per Acre</u>
	<del>0 to 750</del>	<del>2 Hours</del>	<del>\$ 1,334.00</del>	
<u>0</u>	<del>751 to 1,250</del>	<del>2 Hours</del>	<del>1,393.00</del>	<u>\$2,424.00</u>
	<del>1,251 to 1,750</del>	<del>2 Hours</del>	<del>1,459.00</del>	
	<del>1,751 to 2,250</del>	<del>2 Hours</del>	<del>1,519.00</del>	
<u>1,251</u>	<del>2,251 to 2,750</del>	<del>2 Hours</del>	<del>1,585.00</del>	<u>2,758.00</u>
	<del>2,751 to 3,250</del>	<del>3 Hours</del>	<del>1,646.00</del>	
	<del>3,251 to 3,750</del>	<del>3 Hours</del>	<del>1,713.00</del>	
	<del>3,751 to 4,250</del>	<del>4 Hours</del>	<del>1,772.00</del>	
<u>2,751</u>	<del>4,251 to 5,000</del>	<del>5 Hours</del>	<del>1,897.00</del>	<u>3,301.00</u>

For other conditions of fire flow and duration, the per acre charge will be based on an engineering estimate of costs.

After evaluation of the costs of the District, the Engineer will review the above charges on January 1 of every year and make a recommendation to the Board to adjust these charges accordingly.

**SECTION 13.** Rule 4-A-1r of Part 4 of the Rules and Regulations of the Los Angeles County Waterworks District is hereby amended to read as follows:

4-A-1r REGION 39 OF WATERWORKS DISTRICT NO. 39, ROCK CREEK 40, ANTELOPE VALLEY

1. All lands lying within the boundaries of Region 39 of Waterworks District No. ~~39~~ 40, as of April 1, 1971, and for which the Waterworks District has at any time prior to April 1, 1971, provided water service or for which the Waterworks District was as of April 1, 1971, providing water service, are hereby deemed not to be subject to the Capital Improvement (acreage) Charges of said Waterworks District, except as stated in the first paragraph of Rule 4-A-1 and Rule 1-A-49 and any applicable parts of this subrule.

2. All lands lying within the boundaries of Region 39 of Waterworks District No. ~~39~~ 40, as of April 1, 1971, not previously provided with water service prior to April 1, 1971, or not being provided with water service as of April 1, 1971, by the District and lying outside of the areas defined in the parts of this subrule other than Part 3 are hereby subject to a Capital Improvement Charge ~~as follows~~ shown in Rule 4-A-1, less applicable credits defined in Rule 1-I-2a, b, and c. No credit pursuant to Rule 1-I-2d is applicable to the lands of the area of Part 3 of this subrule. See Rule 4-A-1t for other Capital Improvement Charges and Rule 4-A-1u for Water Supply Reliability Charges.

Lands where there is no fire flow requirement for the premises, per acre  
 .....~~\$1,267.00~~ \$2,205.00.

Lands where the fire flow requirement of the premises is:

Fire Flow @ 20 psi (gpm)		Duration	Charge Per Acre	<u>Charge Per Acre</u>
<u>0</u>	0- to 750	2 Hours	\$ 1,334.00	
	751 to 1,250	2 Hours	<del>1,393.00</del>	<u>\$2,424.00</u>
	1,251 to 1,750	2 Hours	<del>1,459.00</del>	
	1,751 to 2,250	2 Hours	<del>1,519.00</del>	
<u>1,251</u>	2,251 to 2,750	2 Hours	<del>1,585.00</del>	<u>2,758.00</u>
	2,751 to 3,250	3 Hours	<del>1,646.00</del>	
	3,251 to 3,750	3 Hours	<del>1,713.00</del>	
	3,751 to 4,250	4 Hours	<del>1,772.00</del>	
<u>2,751</u>	4,251 to 5,000	5 Hours	<del>1,897.00</del>	<u>3,301.00</u>

For other conditions of fire flow and duration, the per acre charge will be based on an engineering estimate of costs.

After evaluation of the costs of the District, the Engineer will review the above charges on January 1 of every year and make a recommendation to the Board to adjust these charges accordingly.

3. All lands lying within the boundaries of the areas of the District known as the former areas of service of the former water purveyors listed following this part of this subrule, including all lands fronting, backing, or siding on the water mains of the water system acquired by the District from said water purveyors, are hereby credited pursuant to Rule 1-I-2d with the full amount of the Capital Improvement Charges remaining after consideration of credits applicable, pursuant to said Rule 1-I-2a, b, and c, provided the premises seeking water service are not a part of a subdivision, tract, or parcel map or similar development for which a map was recorded or filed after January 1, 1961, or the premises are not subject of a zone change, exception, variance or permit granted after January 1, 1961. Rule 1-A-49 shall also apply.

<u>Water Purveyor</u>	<u>B/S Agreement No.</u>	<u>Date Approved</u>
Rock Creek Water Corporation	17442	November 10, 1970
Mountain View Water Company	17743	February 23, 1971
Fort Tejon Mutual Water Company	26314	September 16, 1975

Note 1: Rock Creek Water Corporation service area is defined as the southeast 1/4 of Section 23 except the northeast 1/4 thereof; Section 25 except the northeast 1/4 thereof; Section 26; and Section 35, T-5-N, R-10-W, and Section 31, T-5-N, R-9-W, S.B.M.

Note 2: Mountain View Water Company service area is defined as the land bounded by Pearblossom Highway, 131 Street East (Longview Road), a line parallel to and 330 feet south of the center line of Avenue V-12, and 128 Street East.

Note 3: Fort Tejon Mutual Water Company service area is defined as the Record of Survey 2411 recorded in Record of Survey Map book 75, pages 73 and 74.

**SECTION 14.** Rule 4-A-1t of Part 4 of the Rules and Regulations of the Los Angeles County Waterworks District is hereby added to read as follows:

4-A-1t    OTHER CAPITAL IMPROVEMENT CHARGES FOR ALL REGIONS IN WATERWORKS DISTRICT NO. 40, ANTELOPE VALLEY

1. Capital Improvement (Tank Capacity Unit) Charge

All lands not previously served with water service within or annexing to the District or presently served and requesting a larger metered service and/or require a greater fire protection capability shall be subject to a Capital Improvement (Tank Capacity Unit) Charge as defined in the Tank Capacity Units Chart within this subrule, in addition to the Capital Improvement (Acreage) Charge defined elsewhere in this Rule. The only ones exempt from this charge are lands which are included in formal agreements with the District for construction of water storage, conveyance, or well facilities and their appurtenances. The Capital Improvement (Tank Capacity Unit) Charge for upgrading an existing metered service from the smaller to the larger size will be the difference in the Tank Capacity Units represented by the existing meter and the new meter multiplied by the calculated dollar amount of the charge. The Capital Improvement (Tank Capacity Unit) Charge for a new or larger water service will be the Billing Units for the respective size of the metered service multiplied by the fire flow demand units (see table) times the calculated dollar amount of the Capital Improvement (Tank Capacity Unit) Charge. This charge shall remain in effect until changed by the Board of Directors of the District. Applicable credit may be given for this charge as defined in Rule-1-A-50b.

The initial calculated dollar amount per Tank Capacity Unit for those developments not entering into agreements with the District shall be..... \$835.

The dollar amount per tank capacity unit for negotiated agreements between developers and the District shall be set by the District Engineer and approved by the Board of Directors.

Notwithstanding the above provisions or any other District Rules, the District may allow a developer to sell its excess Capital Improvement (Tank Capacity) Units to other developers or individuals whose property has not been previously served by the District, or those developers or individuals upgrading an existing service.

After evaluation of the costs of the District, the Engineer will review the above charges on January 1 of every year and make a recommendation to the Board to adjust these charges accordingly.



**LOS ANGELES COUNTY WATERWORKS DISTRICT**  
**ALL REGIONS 4 AND 34**  
**IN WATERWORKS DISTRICT NO. 40, ANTELOPE VALLEY**  
**CAPITAL IMPROVEMENT CHARGE**  
**TANK CAPACITY UNITS**  
**(BILLING UNITS & FIRE FLOW DEMAND UNITS)**

DOMESTIC AND FIRE SPRINKLERS METERS FIRE FLOWS (Public or Private-On-Site whichever is larger)

Billing Meter Size (Inches)	Meter Flow (gpm)	Tank Capacity Units (B.U.)	Fire Flow (gpm)	Duration (Hrs)	FireFlow (Thousands of gallons)	Demand Units (F.F.D.U.)**
3/4 & smaller	30 & less	1	0 - 500	2	60	1.0
1	50	2	501 - 750	2	90	1.5
1 1/2	100	3	751 - 1,000	2	120	2.0
2	160	5	1,001 - 1,250	2	150	2.5
4	500	17	1,251 - 1,500	2	180	3.0
6	1,000	33	1,501 - 2,000	2	240	4.0
8	1,600	53	2,001 - 2,500	2	300	5.0
10	2,300	77	2,501 - 3,000	3	540	9.0
12	3,000	100	3,001 - 3,500	3	630	10.5
			3,501 - 4,000	4	960	16.0
			4,001 - 4,500	4	1,080	18.0
			4,501 - 5,000	5	1,500	25.0

\* For meters over 2 inches, the number of Billing Units will be determined by adding together all domestic and sprinkler fire protection flows to the premises and dividing by 30 (30 being the gallons per minute equivalent to one billing unit).

\*\* Actual number of units to be calculated by multiplying fire flow in gpm by duration in minutes divided by 60,000 gallons.

**EXAMPLES:** Typical developments:

1. Single family residence: Public Fire Flow = 1,250 gpm = 2.5 F.F.D.U., 3/4 x 1 domestic water meter = 1 B.U.; 1 B.U. x 2.5 F.F.D.U. = 2.5 Tank Capacity Units.
2. Multi-residential & Office Buildings: Fire Flow 2,000 gpm, five (5) 2-inch domestic water meters [(5 meters) x 5 B.U.] x 4 F.F.D.U. = 100 Tank Capacity Units.
3. Shopping Center, Private System: Private Fire Flow 1,250 gpm, Public Fire Flow 2,500 gpm; 3 - 1 1/2-inch water meters [(3 meters) x 3 B.U.] x 5 F.F.D.U. = 45 Tank Capacity Units.
4. Landscape meter: No Public Fire Flow (Use Lowest Value) = 1 F.F.D.U., 2-inch water meter = 5 B.U.; 5 B.U. x 1 F.F.D.U. = 5 Tank Capacity Units.
5. FMCT meters: Total domestic flow divided by 30 = number of billing units Domestic Flow = 650 gpm / 30 = 22 B.U. Fire Flow = 2,750 gpm = 8.25 F.F.D.U.; 22 B.U. x 8.25 F.F.D.U. = 181.5 Tank Capacity Units.

**SECTION 15.** Rule 4-A-1u of Part 4 of the Rules and Regulations of the Los Angeles County Waterworks District is hereby added to read as follows:

4-A-1u WATER SUPPLY RELIABILITY CHARGE (WATERWORKS DISTRICT NO. 40, ANTELOPE VALLEY)

1. Groundwater Supply Fee

All lands not previously served with water service within the boundaries of the District or annexing into the District or presently served and requesting a larger meter service shall be subject to a Groundwater Supply Fee. The charge is based on the cost for installing aquifer storage and recovering wells and appurtenant facilities to provide water supplies necessary to meet additional water demands. The Groundwater Supply Fee for a new or larger water service will be the Billing Units for the respective size of the metered service.

The amount of the fee will be calculated per Billing Unit and shall be.....\$3,000.00.

After evaluation of the costs of the District, the Engineer will review the above charges on January 1 of every year and make a recommendation to the Board to adjust these charges accordingly.

2. Water Banking Fee

All lands not previously served with water service within the boundaries of the District or annexing into the District or presently served and requesting a larger meter service shall be subject to a Water Banking Fee. The charge is based on the cost for banking water for dry year demands within a 20 year period. The Water Banking Fee for a new or larger water service will be the Billing Units for the respective size of the metered service.

The amount of the fee will be calculated per Billing Unit and shall be.....\$1,500.00.

After evaluation of the costs of the District, the Engineer will review the above charges on January 1 of every year and make a recommendation to the Board to adjust these charges accordingly.

3. Recycled Water Fee

All lands not previously served with water service within the boundaries of the District or annexing into the District or presently served and requesting a larger meter service shall be subject to a Recycled Water Fee. The charge is based on the cost to develop a recycled water distribution system. The Recycled Water Fee for a new or larger water service will be the Billing Units for the respective size of the metered service.

The amount of the fee will be calculated per Billing Unit and shall be.....\$1,400.00.

After evaluation of the costs of the District, the Engineer will review the above charges on January 1 of every year and make a recommendation to the Board to adjust these charges accordingly.

4. At the sole and absolute discretion of the District's Engineer, credits only against the Groundwater Supply Fee of the Water Supply Reliability Charge may be granted by the District for the actual cost incurred for water system facilities dedicated to the District and accepted by the District's governing board.

**PROPOSED INCREASES IN EXISTING WATER SUPPLY CHARGES AND  
ESTABLISHMENT OF A NEW WATER SUPPLY RELIABILITY CHARGE FOR  
LOS ANGELES COUNTY WATERWORKS DISTRICT NO. 40, ANTELOPE VALLEY**

**Increases in Existing Water Supply Charges**

The District's existing water connection fees to developers have not been increased since 1986. The District collects these fees to fund capital projects that construct water systems to serve the water needs of new customers.

The District proposes to increase the existing charges by 74 percent based on the combined increases in the Construction Cost Index in the Los Angeles Region and the cost of labor to the District from 1986 to present.

The existing and the increased Water Supply Charges are as follows:

<b>Water Supply Charges</b>	<b>Range of Existing Charges</b>	<b>Range of Increased Charges</b>
Local System Improvement Charge (per foot of benefited frontage)	\$14.61 - \$73.65	\$25.42 - \$128.15
Capital Improvement (Acreage) Charge (per acre of benefited area)	\$1,267 - \$1,897	\$2,205 - \$3,301
Capital Improvement (Tank Capacity Unit) Charge (per tank capacity unit)	\$480	\$835
Meter Application Processing Charge (per meter)	\$339 - \$687	\$590 - \$1,195

A comparison of actual costs to design and constructed water system capital improvements and the proposed fee increases are shown as Attachment A.

**New Water Supply Reliability Charge**

In addition, the District is proposing a new Water Supply Reliability Charge for the purpose of firming up the District's water supplies. This new charge will consist of three components as follows: 1) Water Banking Fee for storing water from the California State Water Project, or any other source, for use during dry years (\$1,500 per billing unit); 2) Groundwater Supply Fee for drilling groundwater wells (\$3,000 per billing unit); and 3) Recycled Water Fee for the use of tertiary treated effluent from the County Sanitation Districts of Los Angeles County's water reclamation plants (\$1,400 per billing unit).

The basis the new Water Supply Reliability Charge are summarized as follows:

1. Water Banking Fee

The Water Banking Fee was calculated based on estimate cost for to storage sufficient water for one equivalent dwelling unit (EDU) for use during dry periods over a 20-year period. The cost per EDU is approximately \$1,500. See Attachment B for a cost breakdown.

2. Groundwater Supply Fee

The cost to design and construct one well that produces 600 AF per year is \$1.8 million. If each new residential connection uses approximately 1 AF of water per year, the cost of well per connection is  $\$1.8\text{M} / 600 \text{ AF} = \$3,000$  per billing unit. See Attachment C for more detailed analysis of the costs.

3. Recycled Water Fee

The City of Lancaster has estimated that a backbone system to convey recycled water to the City from the County Sanitation District No. 14 Lancaster Wastewater Treatment Plant at a cost of approximately \$22 million. Assuming that approximately 18,000 customer are added over the next 10 years, the cost per connection is  $\$22 \text{ M} / 18,000 = \$1,200$  per billing unit. An additional \$200 per lot will be collected to fund a master plan study for reclaimed water distribution system within a year.

Water Supply Reliability Charge Total =  $\$1,500 + \$3,000 + \$1,400 = \mathbf{\$5,900 \text{ per billing unit}}$

**See Attachments B through E for more information regarding this new charge.**

**LOS ANGELES COUNTY WATERWORKS DISTRICT No. 40, ANTELOPE VALLEY  
CAPITAL IMPROVEMENT (ACREAGE) CHARGES**

Pump Stations	Capacity (gpm)	Actual Construction Cost (\$)	Year Constructed	Construction Cost Index Increase (%)	Construction Cost (Today's \$)	Soft Costs (\$)	Total Cost (\$)	Cost/gpm	Cost per D.U.*
Sun Village Pump (116th St P.S.)	2070	\$362,807	1996	25%	\$453,241	\$158,634	\$611,875	\$296	\$491
Booster P.S. at Well Site 35-2	600	\$560,000	1998	20%	\$669,619	\$234,367	\$903,986	\$1,507	\$2,501
Sumacridge P.S.	240	\$192,108	2002	11%	\$212,621	\$119,902	\$332,523	\$1,386	\$2,300
Average cost =								\$1,764	
Transmission Mains	Construction Cost Per Linear Foot (\$/LF)		Soft Costs Per Linear Foot (\$/LF)		Total Cost Per Linear Foot (\$/LF)		Total Cost Assuming 2,800 ft of Pipe (\$)		Cost per D.U.
Steel Transmission Main	150		53		\$203		\$567,000		\$3,780
TOTAL ACTUAL COST IN TODAY'S DOLLAR:									\$5,544

\* D.U. = dwelling unit with 3/4-inch meter. Maximum customer demand = 1.66 gpm

**COST COMPARISON FOR A ONE ACRE LOT**

Description	Amount (\$)	Percentage Above Current Charges
Current Charge For a One Acre Lot	1,393	NA
Total Actual Cost In Today's Dollar	5,544	298
Proposed Charge For a One Acre Lot	2,424	74

**LOS ANGELES COUNTY WATERWORKS DISTRICT No. 40, ANTELOPE VALLEY  
CAPITAL IMPROVEMENT (TANK CAPACITY UNITS) CHARGES**

Tanks	Capacity (gallons)	Actual Construction Cost (\$)	Year Constructed	Construction Cost Index Increase (%)	Construction Cost (Today's \$)	Soft Costs (\$)	Total Cost (\$)	Cost per gallon	Cost per D.U.*
Fort Tejon Tank	200,000	\$400,000	1993	26%	\$505,922	\$177,073	\$682,995	\$3.41	\$5,976
Littlerock Tank	1,000,000	\$1,662,530	1996	25%	\$2,076,936	\$726,927	\$2,803,863	\$2.80	\$4,907
Nicholas Beach Tanks	2,000,000	\$1,743,732	1994	25%	\$2,186,878	\$765,407	\$2,952,285	\$1.48	\$2,583
Valyermo Tanks	400,000	\$946,246	1999	20%	\$1,135,779	\$397,523	\$1,533,301	\$3.83	\$6,708
Average cost per D.U. =									\$5,044

\* D.U. = dwelling unit with 3/4-inch meter. Storage need per D.U. for 1 maximum day demand + 150,000/1000 for fire demand.

**COST COMPARISON FOR SINGLE FAMILY RESIDENCE**

Description	Amount (\$)	Percentage Above Current Charges
Current Charge For a Single Family Residence	1,200	NA
Total Actual Cost In Today's Dollar	5,044	320
Proposed Charge For a Single Family Residence	2,088	74

**LOS ANGELES COUNTY WATERWORKS DISTRICT No. 40, ANTELOPE VALLEY  
LOCAL SYSTEM IMPROVEMENT CHARGE (FRONTAGE CHARGE)**

In-Track Pipe Cost	Construction Cost Per Linear Foot (\$/LF)	Soft Costs Per Linear Foot (\$/LF)	Total Cost Per Linear Foot (\$/LF)	Current Local System Improvement Charge Per Foot (\$/LF)	Percentage of Total costs Above Current Charges	Proposed 74% Increase For Local System Improvement Charge Per Foot
6" Ductile Iron Pipe	\$47	\$16.45	\$63.45	\$17.20	269	\$29.93
8" Ductile Iron Pipe	\$62	\$21.70	\$83.70	\$20.85	301	\$36.28
10" Ductile Iron Pipe	\$66	\$23.10	\$89.10	\$26.63	235	\$46.34
12" Ductile Iron Pipe	\$76	\$26.60	\$102.60	\$35.50	189	\$61.77
16" Ductile Iron Pipe	\$83	\$29.05	\$112.05	\$42.61	163	\$74.14

Total actual cost of all water system improvements per D.U. =

\$14,772 \*

\* Assumes 50 ft of frontage with one acre lot.



## ESTIMATED WATER BANKING COSTS

<b>EDU (water use per equivalent dwelling unit - AF)</b>	1.24
Based on actual 2004 data for Regions 4 & 34	
<b>Connection Fee</b>	
AV Water Bank CAPEX (per EDU)	\$705.56
Water supplies for 2 dry years every 10 years plus losses (15%)*	\$718.70
Variable operating costs to recharge water supply	\$0.94
5 years of Fixed Annual Operating Costs (per EDU)	\$48.11
<b>Total Connection Fee</b>	<b>\$1,473.31</b>
<b>Ongoing Retail Customer Expenses</b>	
Variable Annual Operating Costs (per EDU)	\$6.10
Fixed Annual Operating Costs (per EDU)	\$7.76
<b>Average Annual Customer Cost (per EDU)</b>	<b>\$13.85</b>
<b>Average Monthly Customer Cost (per EDU)</b>	<b>\$1.15</b>

\*We assume 2 dry years every 10 years. Using a 20-year planning horizon as required by SB 610 and SB 221, we assume the dry years will occur during years 9, 10, 19, and 20. The total necessary supply for these 4 years is then normalized over the 20-year period.

1.24 General Parameters  
EDU (water use per equivalent dwellin unit)

\$569.00 Connection Fee Parameters  
\$126.00 AVWB CAPEX (per AF)  
Purchased water cost (per AF)

\$7.76 Ongoing Expense Parameters  
\$24.58 Fixed annual cost (per AF of Extraction Capacity)  
Variable and Energy Costs (per AF of use)

## ATTACHMENT C

### LOS ANGELES COUNTY WATERWORKS DISTRICT NO. 40, ANTELOPE VALLEY

#### NEW GROUNDWATER SUPPLY FEE

##### Costs for Water Wells

###### **Construction Costs**

Average Const. Cost per Well (drilling & equipping)	\$550,000
Stainless Steel Piping for ASR (29% increase)	\$160,000
On-site Chlorine Generation	\$150,000
Miscellaneous Piping	\$100,000
Land Acquisition	\$40,000

**Subtotal of Construction Costs per Well** **\$1,000,000**

###### **Soft Costs**

	Cost
Engineering (10%)	\$100,000
Inspection & Const. Management (25%)	\$250,000
Project Management (5%)	\$50,000
Environmental Documents	\$300,000
Contingency	\$100,000
Subtotal	<hr/> \$800,000

Total Cost per Well \$1,800,000

Average Shallow Well Production 600 AF/YR

Average Water Demand per Customer (1 Billing Unit) 1.0 AF/YR

Cost of Well per lot =  $\frac{\$1,800,000}{600 \text{ AF/YR}} \times 1.0 \text{ AF/YR} =$  **\$3,000**

## LOS ANGELES COUNTY WATERWORKS DISTRICT NO. 40, ANTELOPE VALLEY NEW WATER SUPPLY RELIABILITY CHARGE

### Assumptions:

1. Assume the District grows by 1,800 new customers per year.
2. Assume one customer = residential lot = 3/4-inch meter
3. Assume 10-year planning horizon and each customer uses 1 AF/YR of annual water demand.  
(Therefore, 1,800 customers/YR x 1 AF/YR x 10 years = 18,000 AF)

### Water Banking Fee

- The cost to bank 1 storage unit of water = \$1,500 per lot
- 18,000 AF x \$1,500 = **\$27 million**

### Groundwater Supply Fee

- One well produces approximately 600 AF/YR.
- 18,000 AF / 600 AF = 30 wells
- Each well costs \$1.8 million.
- \$1.8 million x 30 wells = **\$54 million**

### Recycled Water Fee

- The City of Lancaster estimates that a backbone recycled water system will cost \$22 million.  
An additional \$360,000 or \$200 per lot is need to fund a recycled water master plan study within a year.

Total cost for firming water supplies = **\$103 million (\$27 M + \$54 M + \$22 M)**

The cost per lot = \$103 million / 18,000 customers = **\$5,700 per lot + \$200 = \$5,900**

### Summary (WWD 40) - Typical subdivision with 10,000 SF lots (developer constructs in-tract piping)

Existing developer fees with 74% increase	\$3,405
<b>New Water Supply Reliability Charge</b>	<b>\$5,900</b>
AVEK Charge	\$3,105
Total	<u>\$12,410</u> per lot

### Comparisons

Quartz Hill Water (effective 1/1/05)	\$4,588
Average AVEK Water Supply Capacity Fee	\$3,105
Total	<u>\$7,693</u> per lot

Palmdale Water District Ranges from \$7,400 to \$17,500\* per lot

\* Varies per pressure zone

Waterworks District No. 36, Val Verde	\$4,067
Castaic Lake Water Agency (Assumes 0.6 AF per year demand)	\$6,000 +/-
Total	<u>\$10,067</u> per lot

Newhall Ranch Water	\$3,360
Castaic Lake Water Agency (Assumes 0.6AF per year demand)	\$6,000 +/-
Total	<u>\$9,360</u> per lot

Bridge and Thoroughfare Fees in unincorporated area within AV are min. of \$14,400/lot.

## LOS ANGELES COUNTY WATERWORKS DISTRICT NO. 40, ANTELOPE VALLEY

**DEVELOPER FEES FOR A DEVELOPER THAT DOES NOT BUILD  
ANY WATER FACILITIES (EXAMPLE ONLY)**

<b>INCREASE IN EXISTING DEVELOPER FEES</b>		
<b>DEVELOPER FEES FOR A RESIDENTIAL LOT (1-ACRE)</b>	<b>Current Charge</b>	<b>Proposed Charge</b>
Local System Improvement Charge (per 100 ft of frontage)*	\$1,720	\$3,000
Capital Improvement Charge (1 acre)*	\$1,393	\$2,400
Tank Capacity Unit* (for 1,250 gpm fire flow)**	\$1,200	\$2,100
Meter Installation Charges (per meter)	\$437	\$600
<b>Total</b>	<b>\$4,750</b>	<b>\$8,100</b>

The developer can get credit against these fees if he constructs transmission mains, pump stations, and/or reservoirs.

\* These fees must be paid prior to approval of the water plans or before recordation of the map.

\*\* For fire flows greater than 1,250 gpm, refer to the table under Rule 4-A-1b of the Districts' Rules and Regulations.

<b>NEW WATER SUPPLY DEVELOPER FEES</b>	
Water Banking Fee <sup>1</sup> (per billing unit)	\$1,500
Groundwater Supply Fee <sup>2</sup> (per billing unit)	\$3,000
Recycled Water Fee <sup>3</sup> (per billing unit)	\$1,400
<b>Total New Fees (per lot)</b>	<b>\$5,900</b>

<sup>1</sup> For development of spreading ground facilities to store raw SWP water.

<sup>2</sup> For construction of wells at a cost of \$1.8 million per well for the potential storage of treated SWP water when it is available, and extract it when it is needed and during water supply emergencies.

<sup>3</sup> For construction of a recycled water distribution system system to use tertiary treated water from the County Sanitation Districts (assuming 18,000 new connections over the next 10 years). This fee includes \$360,000 to fund a recycled water distribution master plan study.